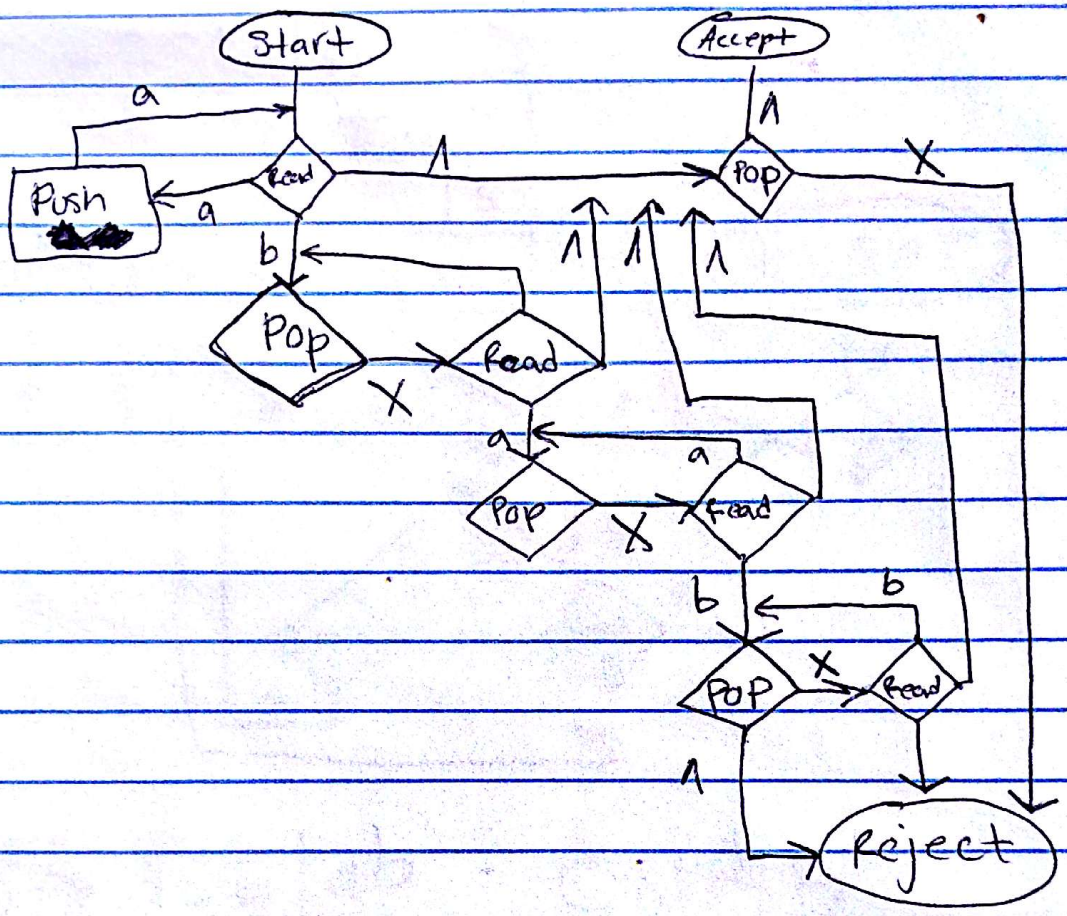
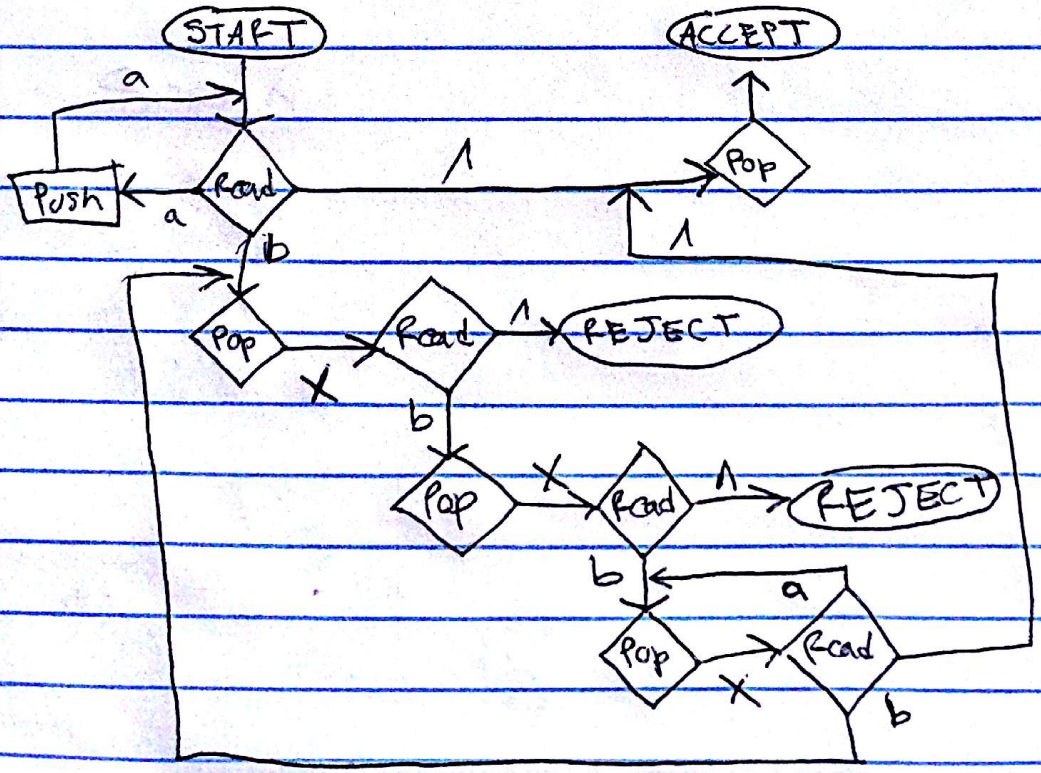
HW #8

Ch 14
#1.



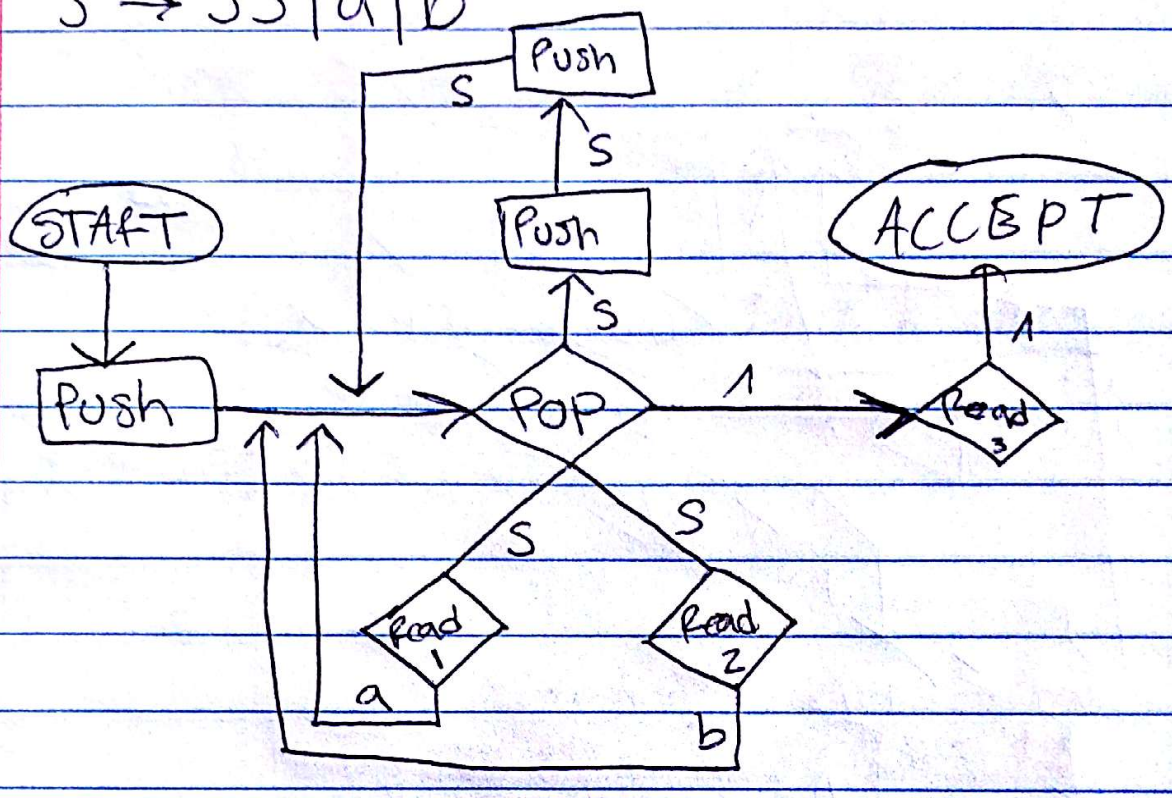
Ch 14
#2



Scanned by CamScanner

Ch 15

#1. ii $S \to SS \mid a \mid b$



Ch 16

#5 i. $S \to aSb \mid ab$ CNF →

$S \to AX$

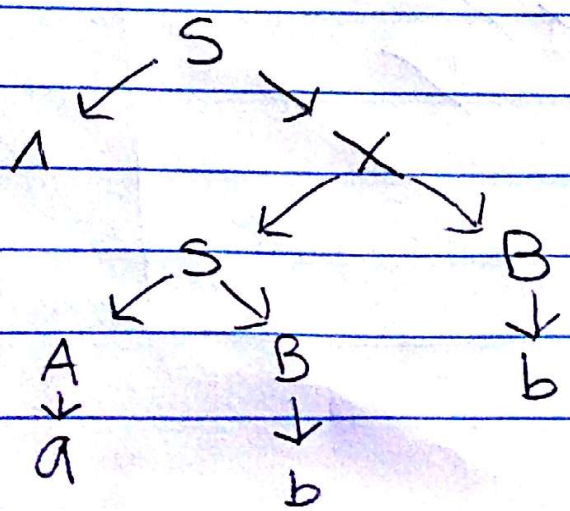
$X \to SB$

$S \to AB$

$A \to a$

$B \to b$

#5 ii



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Ch 17

#1; CFG → All words that start with a or are in the form $a^n b^n$

Start w/ a

$S \to aA$

$A \to aA \mid bA \mid 1$

In $a^n b^n$ form

$S \to aSb \mid 1$

$S \to S_1 \mid S_2$

$S_1 \to aA_1$

$A_1 \to aA_1 \mid bA_1 \mid 1$

$S_2 \to aS_2b \mid 1$

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